

## CLAIMS

1. Method for determining the engaged box ratio in a  
5 gearbox, wherein the engaged gearbox ratio is determined  
when there is a change of gearbox ratio by dividing one by  
the other the values of the engine speed measured just  
before and just after the change of gear and by comparing  
the result of this division with stored predetermined  
10 values that depend on the gearbox (8) fitted to the  
vehicle.
2. The method for determining the engaged box ratio as  
claimed in claim 1, wherein said gearbox (8) is coupled to  
15 an engine (6) via a clutch (10) or similar element, and  
wherein the change of gearbox ratio is detected by a  
sensor placed on this clutch (10).
3. The method for determining the engaged box ratio as  
20 claimed in claim 2, wherein the sensor placed on the  
clutch (10) is a contactor.
4. The method for determining the engaged box ratio as  
claimed in claim 3, wherein the value of the engine speed  
25 is stored on each change of state of the contactor.
5. A method for determining the speed of a vehicle with  
the aid of sensors on board the vehicle, the vehicle being  
moved by an engine (6) coupled to a gearbox (8),  
30 wherein the speed of the vehicle is determined by  
multiplying the value of the engine speed (N) obtained via  
a sensor by a predetermined coefficient as a function of  
the engaged gearbox ratio, and wherein the engaged gearbox  
ratio is determined by applying a method as claimed in one  
35 of claims 1 to 4.
6. The method for determining the speed of a vehicle as  
claimed in claim 5, wherein it is applied only in degraded  
mode.

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7. The method for determining the speed of a vehicle as claimed in claim 5, wherein it is applied permanently.

8. The method for determining the speed of a vehicle as  
5 claimed in claim 7, wherein the calculated speed is compared with the value of the speed measured by a speed sensor.